

IN THE CLAIMS:

Please amend claims 1 and 8 as follows.

1. (Currently Amended) A motor-driven injection molding machine ~~characterized by~~ comprising: (a) a member-to-be-driven; (b) a motor ~~for operating~~which operates the member-to-be-driven; and (c) a motion direction conversion portion disposed between the motor and the member-to-be-driven and adapted to convert to a linear motion a rotational motion of rotation generated by driving the motor, wherein (d) in the motor, a ratio of a stacking length of a magnet of a rotor to an inside diameter of a stator is 3 or more.
2. (Withdrawn) A motor-driven injection molding machine characterized by comprising: (a) a member-to-be-driven; (b) a motor for operating the member-to-be-driven; and (c) a motion direction conversion portion disposed between the motor and the member-to-be-driven and adapted to convert to a linear motion a rotational motion of rotation generated by driving the motor, wherein (d) in the motion direction conversion portion, a ratio of a length of a screw portion of a nut to a diameter of a screw shaft is 3 or more.
3. (Original) A motor-driven injection molding machine according to claim 1, wherein, in the motion direction conversion portion, a ratio of a length of a screw portion of a nut to a diameter of a screw shaft is 3 or more.

4. (Original) A motor-driven injection molding machine according to claim 1, wherein:
(a) the motion direction conversion portion and the motor are disposed on the same axis;
(b) the motor comprises a hollow output shaft; and (c) rotation of the motor is transmitted, within the output shaft, to a transmission shaft comprising the screw shaft of the motion direction conversion portion.

5. (Original) A motor-driven injection molding machine according to claim 1, wherein:
(a) the motor is an injection motor; and (b) the injection motor and a metering motor are disposed on the same axis.

6. (Original) A motor-driven injection molding machine according to claim 1, wherein the motion direction conversion portion converts a rotational motion to a rotational, linear motion.

7. (Original) A motor-driven injection molding machine according to claim 1, wherein the motion direction conversion portion converts a rotational motion to a linear motion.

8. (Currently Amended) A molding method using a motor-driven injection molding machine ~~having comprising~~ a member-to-be-driven, a motor, and a motion direction conversion portion disposed between the motor and the member-to-be-driven, ~~the method being characterized by comprising the steps of:~~ (a) generating rotation by means of

driving the motor; (b) converting a rotational motion of the rotation to a linear motion; and (c) operating the member-to-be-driven by means of the linear motion, wherein (d) in the motor, a ratio of a stacking length of a magnet of a rotor to an inside diameter of a stator is 3 or more.

9. (Withdrawn) A molding method using a motor-driven injection molding machine having a member-to-be-driven, a motor, and a motion direction conversion portion disposed between the motor and the member-to-be-driven, the method being characterized by comprising the steps of: (a) generating rotation by means of driving the motor; (b) converting a rotational motion of the rotation to a linear motion; and (c) operating the member-to-be-driven by means of the linear motion, wherein (d) in the motion direction conversion portion, a ratio of a length of a screw portion of a nut to a diameter of a screw shaft is 3 or more.

10. (Original) A molding method using a motor-driven injection molding machine according to claim 8, wherein a ratio of a length of a screw portion of a nut to a diameter of a screw shaft is 3 or more.

11. (Withdrawn) A motor-driven injection molding machine according to claim 2, wherein: (a) the motion direction conversion portion and the motor are disposed on the same axis; (b) the motor comprises a hollow output shaft; and (c) rotation of the motor is

transmitted, within the output shaft, to a transmission shaft comprising the screw shaft of the motion direction conversion portion.

12. (Withdrawn) A motor-driven injection molding machine according to claim 2, wherein: (a) the motor is an injection motor; and (b) the injection motor and a metering motor are disposed on the same axis.

13. (Withdrawn) A motor-driven injection molding machine according to claim 2, wherein the motion direction conversion portion converts a rotational motion to a rotational, linear motion.

14. (Withdrawn) A motor-driven injection molding machine according to claim 2, wherein the motion direction conversion portion converts a rotational motion to a linear motion.